

[illegible]

FIG. 1

CTCTGAGGAGACACTTTTTTTTCTCCCTCCTTCCCTCCTCTCCTCTCCTTCCCTTCCCTCTCCTCCCTCTCTCCTCCTTCCCCC
CTCGGTCCGCCGAGCCTTGTGGGGCAGCGGTTGGTATTGCAGGCGTTCCTCTCCGGGGCCGCCCGCGGGTAGCTGGCGGGGGAGG 90
AGGCAGGAACCGCATGGCGCCTCAGAAGCAGCGCGGTGGGGGAGGGGGCGGCTCGGGGCCACGCGCGGGTCCGGGGGAGCGCGCTTCG 180
M A P Q K H G G G G G S G P S A G S G G G G F G 270
GGGGTTCGGCGCGGTGGCGGCGCAGCGCTTCGGGGCGGCAATCCGGCGCGGGAGCTGTGGAGGGGTGGCAGTTACTCGGCTCCT
G S A A V A A A T A S G G K S G G G S C G G G G S Y S A S S
CCTCCTCCTCCGCGCGGCAGCGCGGGGGCTGCGGTGTTACCGGTGAAGAGCGGAAATGAGACAGCTCCAGGCTGACCACGAGCTTT 360
S S A A A A A G A A L P V K K P K M E H V Q A D H E L F
TCCTCAGGCGCTTTGAGAGCCAACACAGATCTATAGATTTCTCGAACTCGGAATCTCATAGCACAATATTTTGCACGAATCTTA 540
L Q A F E K P T Q I Y R F L R T R N L I A P I F L H R T L T
CTTACATGTCTCATCGAACTCCAGAACAACATCAAAGGAAACATTTAAAGTTGATGATATGTTATCAAAGTAGAGAAAATGAAAG 630
Y M S H R N S R T N I K R K T F K V D D M L S K V E K M K G
GAGAGAAAGATCTCATAGCTTGTACGCTATTGCGACTTACGTTTACTGGTTTCTTCCACAAAAATGATAAGCCATCACCAACTCAG 720
E Q E S H S L S A H L Q L T F T G F F H K N D K P S P N S E
AAAATGAACAAAATTCTGTTACCTGGAAGTCTGCTTGTGAAAGTTTGCCACAAAAAGAAAGATGTAAGTTGTCCAATAAGGCCAG 810
N E Q N S V T L E V L L V K V C H K K R K D V S C P I R Q V
TTCCACAGGTAAAAAGCAGGTGCCTTTGATTCTGACCTCAATCAACAAAAACCGGAAATTTCCGTCCTTGCAGTTTCCAGTAATG 900
P T G K K Q V P L I A P D L N Q T K P G N F P S L A V Y S S N E
AATTGTAACTAGTAACAGCATATGTTGAAGTCTTACTCGTTTACTAGTGACTCGTCCAGGAAGAAGAGTTTAAATGGAATGA 990
F E P S N S H M V K S Y S L L F R V T R P G R R E F N G M I
TTAATGGAGAAACCAATGAAATATTGATGTCAATGAAGAGCTTCCAGCCAGAAGAAACGAAATCGTGAGGATGGGAAAAGACATTG 1080
N G E T N E N I D V N E E L P A R R K R N R E D G E K T F V
TTGCACAAATGACAGTATTTGATAAAACAGGCGCTTACAGCTTTTAGATGGGGAATATGAAGTAGCCATGCAGGAATGGAAGATGTC 1170
A Q M T V F D K N R R L Q L L L D G E Y E V A M Q E M E E C P
CAATAAGCAAGAAAGAGCAACATGGGAGCTATTCTTGATGGGAAGGCTGCCTCAATCGAAACATTTTCTCAGGGACTACGTTGC 1260
I S K K R A T W E T I L D G K R L P P F E T F S G P T L Q
AGTTCACCTCTCGTTGGACAGGAGACCAATGATAAATCTACGGCTCCTATTGCCAAACCTCTGCCACTAGAAATTCAGAGAGTCTCC 1350
F T L R W T G E T N D K S T A P I A K P L A T R N S E S L H
ATCAGGAAAACAAGCTGTTTCACTTAAACCTACTCAAATATTGCTGTTAAAGAATCTTACTACAGCATCTACAACAAGAAAAGAAA 1440
Q E N K P G S V K P T Q T T I A V K E S L T T D L Q T R K E K
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D T P N E N R Q K L R I F Y Q F L Y N N N T R Q Q T E A R D
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D [REDACTED] S R F I F
TCAACTATGTTTATCATCCAAAAGGTGCTAGGATAGATGTTTCTATCAATGAGTGTTATGATGGCTCCTATGCAGGAATCCTCAGGATA 1710
N Y V Y H P K G A R I D V S I N E Y D G S Y A G N P Q D I
TTCATCGCCAACTGGATTGCTTTTAGTCGCAACGGACAGGTAAAGAGAACCTATCACACATATTCTTGTGTGCGAGGCCAAAACGAA 1800
H R Q P G F A F S R N G P V K R T P I T H I L V C R P K R T
CAAAAGCAAGCATGTCTGAATTTCTTGAATCTGAAGATGGGGAAGTAGAACAGCAAGAACATATAGTAGTGCCACAATCGTCTGTATT 1890
K A S M S E F L E S E D G E V E Q Q R T Y S S G H N R L Y F
TCCATAGTGATACCTGCTTACCTCTCCGTCACAGAAATGGAAGTAGATGTAAGATGAAAAGGATCCTGAATGGCTAAGAGAAAAA 1980
H S D T C L P L R P Q E M E V D S E D E K D P E W L R E K T
CCATTACACAAATTAAGAGAGTTTCTGATGTTAATGAAGGAGAGAAAGAGTGATGAAACTCTGGAATCTCCATGTCTAGAGCATGGGT 2070
I T Q I E E F S D V N E G E K E V M K L W N L H V M K H G F
TTATTGCTGACAAATCAAATGAATCATGCTGTATGCTGTTGTAGAAAAATATGGACAGAAAAATTAAGAGAAATTTATGTGCAAACT 2160
I A D N Q M N H A C M L F V E N Y G Q K I I K K N L C R N F
TCATGCTTCATCTAGTCAGCATGACTGACTTTAATCTTATAGCATATGTCAATGAGTAAAGCTGTTACCAAGCTCCGTGAAATCGCAG 2250
M L H L V S M H D F N L I S I M S I D K A V T K L R E M O Q

FIG. 2
(1 of 2)

AAAAATTAGAAAAGGGGAATCTGCTTCCCCTGCAAACGAAGAAATAACTGAAGAACAAAATGGGACAGCAAAATGGATTAGTGAAATTA 2340
 K L E K G E S A S P A N E E I T E E Q N G T A N G F S E I N
 ACTCAAAGAGAAAGCTTTGGAAACAGATAGTGTCTCAGGGGTTTCAAACAGAGCAAAAACAAAACCTCTGAAAAGCTCTAACCCCAT 2430
 S K E K A L E T D S V S G V S K Q S K K Q K L
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 GTATGTTTTTTTTTTAACTTGAACATTTTCTGTTGTTTTGTTTTCTTTTTTAATTAGATAATCACACGGAAAATTAAAGCTGTTTATAT 3240
 CTTTAAATTAGGATTGCAACCAAGGAAAGAACGCAATTTGAGATTTAAGATGTCACTTATAAGGGGAGAAGTGTTCTTAAAAAGTCAAC 3330
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 AAATGATTTTGTACATAAAGTTCAATAATAT 4441

FIG. 2
 (2 of 2)

09874152.060404

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CCCCCGCGCGCTCGCAGAGCCGACACCGGGGGGCTCTCGATGTAGCACCATGACAGGCATCGCCGCGCGCTCCTTCTTCTCAATACC 90
                                     M T G I A A A S F F S
TGCCGATTGCGGGGCTGCGGACTCCACTTCCCCACCTGGCCGACCTCATCGAGCACATCGAGGACAACCATCGATACAGATCCACGG 180
                                     I D T D P R
GTTTATAGAAAAACAAGATTACAGCAGCCAACTATGTTGCCCTGAGTTACATAAATAGATTATGACAGATGCTGCCCGCCGAGAGCAG 270
V L E K Q E L Q Q P T Y V A L S Y I N R F M T D A A R R E Q
GAGTCCCTAAAGAAGAAGATTACGCCGAAGCTCTCGCTGACTCTGTCCAGCTCAGTGTCTCGAGGGAATGTGTCCACTCCCCACGCCAC 360
E S L K K K I Q P K L S L T L S S S V S R G N V S T P P R H
                                     JAZF1 ← J/AZI
AGCAGTGAAGCCTTACTCCCCCGTGACCCACCCATCACCCCTCCTCTTATCCGAGCAGCACTCCGACAGAGCCACACAGATC 450
S S G S L T P P V T P P I T P S S S F R S S T P T Q I
TATAGATTTCTCGAACTCGGAATCTCATAGCACAATATTTTGCACAGAATCTTACTTACATGTCTCATCGAACTCCAGAACAAAC 540
Y R F L R T R N L I A P I F L H R T L T Y M S H R N S R T N
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I K R K T F K V D D M L S K V E K M K G E Q E S H S L S A H
TTGCAGCTTACGTTTACTGGTTTCTTCCACAAAATGATAAGCCATCACCAACTCAGAAAAATGAACAAAATTTCTGTACCTGGAAGTC 720
L Q L T F T G F F H K N D K P S P N S E N E Q N S V T L E V
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L L V K V C H K K R K D V S C P I R Q V P T G K K Q V P L I
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P D L N Q T K P G N F P S L A V S S N E F E P S N S H M V K
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S Y S L L F R V T R P G R R E F N G M I N G E T N E I D V
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N E E L P A R R K R N R E D G E K T F V A Q M T V F D K N R
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R L Q L L D G E Y E V A M Q E M E E C P I S K K R A T W E T
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I L D G K R L P P F E T F S Q G P T L Q F T L R W T G E T N
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D K S T A P I A K P L A T R N S E S L H Q E N K P G S V K P
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T Q T I A V K E S L T T D L Q T R K E K D T P N E N R Q K L
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R I F Y Q F L Y N N N T R Q Q T E A R D D
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S R F I F N Y V Y H P K G A R
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E D G E V E Q Q R T Y S S G H N R L Y F H S D T C L P L R P
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Q E M E V D S E D E K D P E W L R E K T I T Q I E E F S D V
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N E G E K E V M K L W N L H V M K H G F I A D N Q M N H A C
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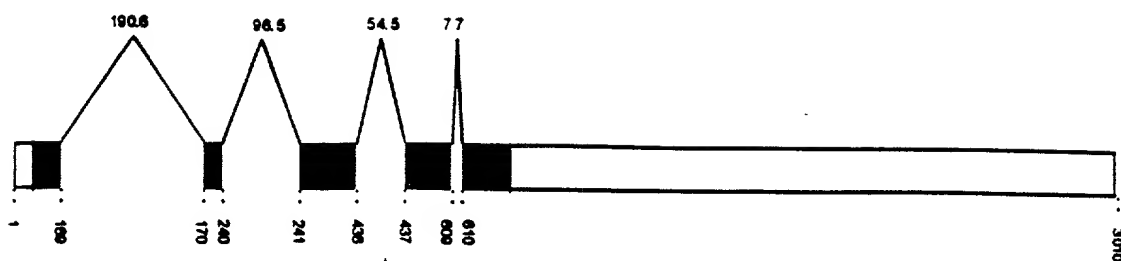
FIG. 3
(1 of 2)

AATCTTATTAGCATAATGTCAATAGATAAAGCTGTTACCAAGCTCCGTGAAATGCAGCAAAAATTAGAAAAGGGGAATCTGCTTCCCCT 2250
N L I S I M S I D K A V T K L R E M Q Q K L E K G E S A S P
GCAAAACGAAGAAATAACTGAAGAACAAAATGGGACAGCAAAATGGATTTAGTGAAATTAACCTAAAAGAGAAAGCTTTGGAAACAGATAGT 2340
A N E E I T E E Q N G T A N G F S E I N S K E K A L E T D S
GTCTCAGGGGTTTCAAAACAGAGCAAAAAACAAAACCTGAAAAAGCTCTAACCCCATGTTATGGACAAACACTGAAATTACATTTTAGG 2430
V S G V S K Q S K K Q K L
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TTTGTATCAGGGTTCTACTTCACCTCATTATGCAGCATTACATGTATACCTTTTATTGATGTCATTAAACATCTGTACTTTAAGCA 2610
TGAAAGCAATATTTCAAAGTATTTTAACTCAACAAATGTCATCAAAATGTTGAATTGATCTAGAAATTTTTCATATATAAATCAG 2700
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TTGCAGTCAAACTTTGATCCTTGTTTTGAAATCATTGTCAATTCGGAATGAAAAATTATAATGTAATTTACATTACATAAGTTCCTT 2970
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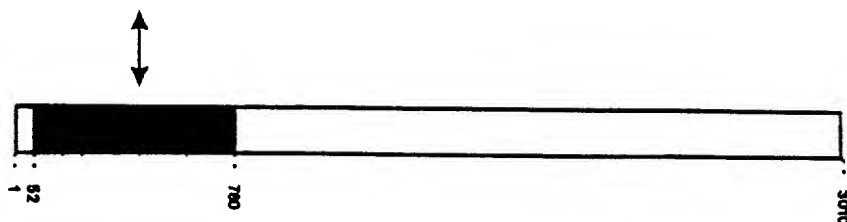
FIG. 3
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Structure of *JAZF1*

A.

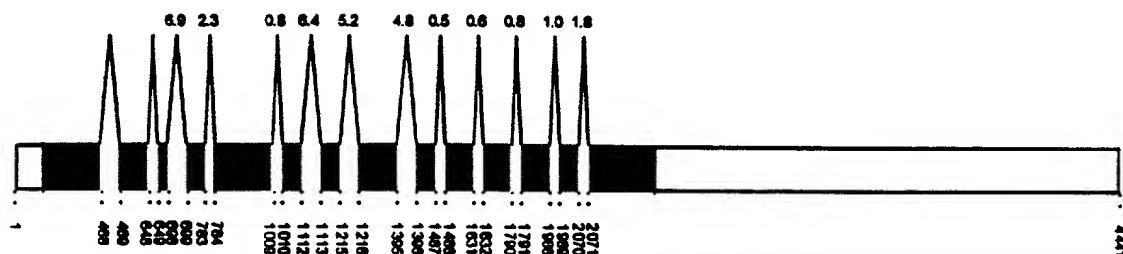


C.



Structure of *JJAZ1*

B.



D.

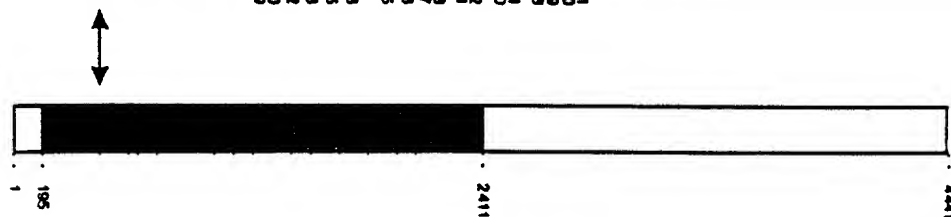


FIG. 4